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NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	FEB 25	CA/CAPLUS - Russian Agency for Patents and Trademarks (ROSPATENT) added to list of core patent offices covered
NEWS	4	FEB 28	PATDPAFULL - New display fields provide for legal status data from INPADO
NEWS	5	FEB 28	BABS - Current-awareness alerts (SDIs) available
NEWS	6	FEB 28	MEDLINE/LMEDLINE reloaded
NEWS	7	MAR 02	GBFULL: New full-text patent database on STN
NEWS	8	MAR 03	REGISTRY/ZREGISTRY - Sequence annotations enhanced
NEWS	9	MAR 03	MEDLINE file segment of TOXCENTER reloaded
NEWS	10	MAR 22	KOREAPAT now updated monthly; patent information enhanced
NEWS	11	MAR 22	Original IDE display format returns to REGISTRY/ZREGISTRY
NEWS	12	MAR 22	PATDPASPC - New patent database available
NEWS	13	MAR 22	REGISTRY/ZREGISTRY enhanced with experimental property tags
NEWS	14	APR 04	EPFULL enhanced with additional patent information and new fields
NEWS	15	APR 04	EMBASE - Database reloaded and enhanced
NEWS	16	APR 18	New CAS Information Use Policies available online
NEWS	17	APR 25	Patent searching, including current-awareness alerts (SDIs), based on application date in CA/Caplus and USPATFULL/USPAT2 may be affected by a change in filing date for U.S. applications.
NEWS	18	APR 28	Improved searching of U.S. Patent Classifications for U.S. patent records in CA/Caplus
NEWS	19	MAY 23	GBFULL enhanced with patent drawing images
NEWS	20	MAY 23	REGISTRY has been enhanced with source information from CHEMCATS
NEWS	21	MAY 26	STN User Update to be held June 6 and June 7 at the SLA 2005 Annual Conference
NEWS	22	JUN 06	STN Patent Forums to be held in June 2005
NEWS	23	JUN 06	The Analysis Edition of STN Express with Discover! (Version 8.0 for Windows) now available
NEWS EXPRESS			JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS INTER			General Internet Information
NEWS LOGIN			Welcome Banner and News Items
NEWS PHONE			Direct Dial and Telecommunication Network Access to STN
NEWS WWW			CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

L2 1426 L1 AND (BULK DENSITY)

=> s 12 and (mass median) and (aerodynamic diameter)
2 FILES SEARCHED...

L3 66 L2 AND (MASS MEDIAN) AND (AERODYNAMIC DIAMETER)

=> s 13 and leucine

L4 55 L3 AND LEUCINE

=> s 14 and (particle size)

L5 54 L4 AND (PARTICLE SIZE)

=> s 15 and (spray dry?)

L6 49 L5 AND (SPRAY DRY?)

=> s 16 and (aerosol condensation)

L7 1 L6 AND (AEROSOL CONDENSATION)

=> d 17 1 ibib abs

L7 ANSWER 1 OF 1 EPFULL COPYRIGHT 2005 EPO/FIZ KA on STN

ACCESSION NUMBER: 1999:100090 EPFULL
DATA UPDATE DATE: 20040506
DATA UPDATE WEEK: 200419
TITLE (ENGLISH): IMPROVEMENTS IN OR RELATING TO POWDERS
TITLE (FRENCH): AMELIORATIONS APPORTEES A DES POUDRES
TITLE (GERMAN): VERBESSERUNGEN IN BEZUG AUF PULVER
INVENTOR(S): GANDERTON, David, Crooked Chimneys Cheriton Bishop,
Exeter EX6 6JL, GB; MORTON, David Alexander Vodden,
2nd Floor Flat Linsley House Beechen Cliff Road, Bath
BA2 4QR, GB; LUCAS, Paul, 5 Felderland Close
Felderland Lane, Worth Deal CT14 0PB, GB
PATENT APPLICANT(S): Vectura Limited, 12 St. James's Square, London SW1Y
4RB, GB
PATENT APPL. NUMBER: 3050110
AGENT: Jump, Timothy John Simon, et al, Venner Shipley & Co.
20 Little Britain, London EC1A 7DH, GB
AGENT NUMBER: 55592
LANGUAGE OF FILING: English
LANGUAGE OF PUBL.: English
LANGUAGE OF PROCEDURE: English
LANGUAGE OF TITLE: German; English; French
DOCUMENT TYPE: Patent
PATENT INFO TYPE: EPB1 Granted patent
PATENT INFORMATION:
PATENT INFORMATION:

	NUMBER	KIND	DATE
	NUMBER	KIND	DATE
	EP 1137399	B1	20030514
	WO 2000033811		20000615
DESIGNATED STATES:	AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE		
APPLICATION INFO.:	EP 1999-958404	A	19991209
	WO 1999-GB4156	A	19991209
PRIORITY INFO.:	GB 1998-27145	A	19981209
CITED PATENT LIT.:	WO 9623485	A	
	WO 9632096	A	
	WO 9703649	A	

=> s l6 and diluent?
L8 8 L6 AND DILUENT?

=> d L8 1-8 ibib abs

L8 ANSWER 1 OF 8 USPATFULL on STN

ACCESSION NUMBER: 2004:12713 USPATFULL
TITLE: hGH (human growth hormone) formulations for pulmonary
administration
INVENTOR(S): Jackson, Blair, Quincy, MA, UNITED STATES
Johnston, Lloyd, Belmont, MA, UNITED STATES
Blizzard, Charles D., Westwood, MA, UNITED STATES
Mintzes, Jeffrey, Monsey, NY, UNITED STATES
PATENT ASSIGNEE(S): Advanced Inhalation Research, Inc., Cambridge, MA (U.S.
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004009231	A1	20040115
APPLICATION INFO.:	US 2003-394401	A1	20030319 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-366488P	20020320 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Elmorc Craig, P.C., 209 Main Street, No. Chelmsford, MA, 01863	
NUMBER OF CLAIMS:	44	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	4 Drawing Page(s)	
LINE COUNT:	2186	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention relates to the administration of proteins by absorption from the lungs. In **particular**, it is concerned with providing therapeutic doses of human growth hormone to the bloodstream without irritating or otherwise damaging lung tissue. This invention also relates to the methods of delivery of human growth hormone to the pulmonary system.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 2 OF 8 USPATFULL on STN

ACCESSION NUMBER: 2003:316641 USPATFULL
TITLE: Method and apparatus for producing dry
particles
INVENTOR(S): Jackson, Blair C., Quincy, MA, UNITED STATES
Johnston, Lloyd P., Belmont, MA, UNITED STATES
Penachio, Ernest E., Cambridge, MA, UNITED STATES
Blizzard, Charles D., Westwood, MA, UNITED STATES
Chung, Marie, Concord, MA, UNITED STATES
Sung, Jean, Cambridge, MA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003222364	A1	20031204
APPLICATION INFO.:	US 2003-391199	A1	20030319 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2002-101563, filed on 20 Mar 2002, PENDING		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	COVINGTON & BURLING, ATTN: PATENT DOCKETING, 1201 PENNSYLVANIA AVENUE, N.W., WASHINGTON, DC, 20004-2401		

NUMBER OF CLAIMS: 34
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 14 Drawing Page(s)
LINE COUNT: 2878
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Method and apparatus for producing dry **particles**. Two liquid components are combined in a static mixer, atomized into droplets, and the droplets dried to form dry **particles**. Use of the static mixer enables incompatible liquid components to be rapidly and homogeneously combined. The present invention optimizes process conditions for increasing and controlling **particle** porosity. The present invention also allows for optimization of **particle size** in real-time during **particle** production.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 3 OF 8 USPATFULL on STN

ACCESSION NUMBER: 2003:257233 USPATFULL

TITLE: Method and apparatus for producing dry **particles**

INVENTOR(S): Batycky, Richard P., Newton, MA, UNITED STATES
Jackson, Blair C., Quincy, MA, UNITED STATES
Johnston, Lloyd P., Belmont, MA, UNITED STATES
Mintzes, Jeffrey D., Brighton, MA, UNITED STATES
Penachio, Ernest E., Cambridge, MA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003180283	A1	20030925
APPLICATION INFO.:	US 2002-101563	A1	20020320 (10)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	COVINGTON & BURLING, ATTN: PATENT DOCKETING, 1201 PENNSYLVANIA AVENUE, N.W., WASHINGTON, DC, 20004-2401		
NUMBER OF CLAIMS:	66		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	10 Drawing Page(s)		
LINE COUNT:	2462		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Method and apparatus for producing dry **particles**. Two liquid components are combined in a static mixer, atomized into droplets, and the droplets dried to form dry **particles**. Use of the static mixer enables incompatible liquid components to be rapidly and homogeneously combined. The present invention optimizes process conditions for increasing and controlling **particle** porosity. The present invention also allows for optimization of **particle size** in real-time during **particle** production.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 4 OF 8 USPATFULL on STN

ACCESSION NUMBER: 2003:187463 USPATFULL

TITLE: **Particulate** compositions for improving solubility of poorly soluble agents

INVENTOR(S): Batycky, Richard P., Newton, MA, UNITED STATES
Grandolfi, George, Milford, OH, UNITED STATES
Plunkett, Sean, Westborough, MA, UNITED STATES
Lipp, Michael M., Framingham, MA, UNITED STATES
Wright, James, Lexington, MA, UNITED STATES
PATENT ASSIGNEE(S): Advanced Inhalation Research Inc., Cambridge, MA, UNITED STATES (U.S. corporation)

NUMBER	KIND	DATE
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PATENT INFORMATION: US 2003129250 A1 20030710
APPLICATION INFO.: US 2002-300726 A1 20021120 (10)

NUMBER DATE

PRIORITY INFORMATION: US 2001-331810P 20011120 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: HAMILTON, BROOK, SMITH & REYNOLDS, P.C., 530 VIRGINIA
ROAD, P.O. BOX 9133, CONCORD, MA, 01742-9133
NUMBER OF CLAIMS: 63
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 9 Drawing Page(s)
LINE COUNT: 1606

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention is drawn to **particles** for oral drug delivery produced by **spray-drying** a dilute solution of a poorly soluble agent. The **particles** comprise regions of poorly soluble agent wherein the dissolution rate enhancement is between about 2-fold and about 25-fold compared to the agent in bulk form.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 5 OF 8 USPATFULL on STN

ACCESSION NUMBER: 2003:78040 USPATFULL
TITLE: Powder formulation
INVENTOR(S): Heijerman, Hendrikus Gerardus M., Zoetermeer,
NETHERLANDS
Le Brun, Petrus Paulus H., The Hague, NETHERLANDS
Frijlink, Henderik Willem, Eelde, NETHERLANDS
de Boer, Anne Haaije, Drachten, NETHERLANDS
PATENT ASSIGNEE(S): Rijksuniversiteit Groningen, Groningen, NETHERLANDS
(non-U.S. corporation)

NUMBER KIND DATE

PATENT INFORMATION: US 2003053960 A1 20030320
APPLICATION INFO.: US 2002-223707 A1 20020819 (10)
RELATED APPLN. INFO.: Continuation of Ser. No. WO 2001-NL133, filed on 19 Feb
2001, UNKNOWN

NUMBER DATE

PRIORITY INFORMATION: EP 2000-200550 20000217
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: BANNER & WITCOFF, LTD., 28 STATE STREET, 28th FLOOR,
BOSTON, MA, 02109
NUMBER OF CLAIMS: 12
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 6 Drawing Page(s)
LINE COUNT: 776

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to a powder formulation for administration by inhalation comprising an active substance and a pharmaceutically acceptable excipient, which composition has the form of a physical mixture and comprises from 5 to 25 weight % of the excipient, and wherein the active substance has a **particle size** distribution of from 0.5 to 10 μm , and wherein the excipient has a **particle size** distribution of from 15 to 500 μm .

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 6 OF 8 EPFULL COPYRIGHT 2005 EPO/FIZ KA on STN

ACCESSION NUMBER: 2001:19954 EPFULL
UPDATE DATE PUBLICAT.: 20050601
DATA UPDATE DATE: 20050601
DATA UPDATE WEEK: 200522
TITLE (ENGLISH): POWDER FORMULATION FOR INHALATION
TITLE (FRENCH): FORMULATION PULVERULENTE
TITLE (GERMAN): PULVERFORMULIERUNG ZUR INHALATION
INVENTOR(S): HEIJERMAN, Hendrikus, Gerardus, Maria, Azuriet 14,
NL-2719 GL Zoetermeer, NL; LE BRUN, Petrus, Paulus,
Hendricus, De Mildestraat 21, NL-2596 SV The Hague, NL;
FRIJLINK, Henderik, Willem, Hemstukken 19, NL-9761 KM
Eelde, NL; DE BOER, Anne, Haaije, Bouriciuslaan 53,
NL-9203 PC Drachten, NL
PATENT APPLICANT(S): Rijksuniversiteit te Groningen, (Groningen,
Rijksuniversiteit te), Broerstraat 5, 9712 CP
Groningen, NL
PATENT APPL. NUMBER: 406260
AGENT: Prins, Adrianus Willem, Mr. Ir., et al, Vereenigde,
Nieuwe Parklaan 97, 2587 BN Den Haag, NL
AGENT NUMBER: 20903
LANGUAGE OF FILING: English
LANGUAGE OF PUBL.: English
LANGUAGE OF PROCEDURE: English
LANGUAGE OF TITLE: German; English; French
DOCUMENT TYPE: Patent
PATENT INFO TYPE: EPB1 Granted patent
PATENT INFORMATION:
PATENT INFORMATION:

NUMBER	KIND	DATE
NUMBER	KIND	DATE

EP 1257260	B1	20040721

	WO 2001060341	20010823
DESIGNATED STATES:	AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT	
	SE TR	
APPLICATION INFO.:	EP 2001-908465	A 20010219
	WO 2001-NL133	A 20010219
PRIORITY INFO.:	EP 2000-200550	A 20000217
CITED PATENT LIT.:	WO 2000016745	A
	WO 9703649	A
	WO 9820836	A
	WO 9826827	A
	US 5301666	A

L8 ANSWER 7 OF 8 EPFULL COPYRIGHT 2005 EPO/FIZ KA on STN

ACCESSION NUMBER: 2000:123557 EPFULL
DATA UPDATE DATE: 20030115
DATA UPDATE WEEK: 200303
TITLE (ENGLISH): Powder formulation for inhalation
TITLE (FRENCH): Formulation en poudre pour inhalation
TITLE (GERMAN): Pulverformulierung zur Inhalation
INVENTOR(S): Heijerman, Hendrikus, Gerardus Maria, Azuriet 14, 2719
GL Zoetermeer, NL; Frijlink, Henderik Willem,
Hemstukken 19, 9761 KM Eelde, NL; Le Brun, Petrus
Paulus Hendricus, De Mildestraat 21, 2596 SV The Hague,
NL; de Boer, Anne Haaije, Bouriciuslaan 53, 9203 PC
Drachten, NL
PATENT APPLICANT(S): Rijksuniversiteit te Groningen, (Groningen,

Rijksuniversiteit te), Broerstraat 5, 9712 CP
Groningen, NL

PATENT APPL. NUMBER: 406260

AGENT: Ottevangers, Sietse Ulbe, et al, Vereenigde, Postbus
87930, 2508 DH Den Haag, NL

AGENT NUMBER: 20841

LANGUAGE OF FILING: English

LANGUAGE OF PUBL.: English

LANGUAGE OF PROCEDURE: English

LANGUAGE OF TITLE: German; English; French

DOCUMENT TYPE: Patent

PATENT INFO TYPE: EPA1 Application published with search report

PATENT INFORMATION:

	NUMBER	KIND	DATE
DESIGNATED STATES:	EP 1129705	A1	20010905
APPLICATION INFO.:	EP 2000-200550	A	20000217
PRIORITY INFO.:	EP 2000-200550	A	20000217 *

ABEN

The invention relates to a powder formulation for administration by inhalation comprising an active substance and a pharmaceutically acceptable excipient, which composition has the form of a physical mixture and comprises from 5 to 25 weight% of the excipient, and wherein the active substance has a **particle size** distribution of from 0.5 to 10 µm, and wherein the excipient has a **particle size** distribution of from 15 to 500 µm.

L8 ANSWER 8 OF 8 EPFULL COPYRIGHT 2005 EPO/FIZ KA on STN

ACCESSION NUMBER: 1999:100090 EPFULL

DATA UPDATE DATE: 20040506

DATA UPDATE WEEK: 200419

TITLE (ENGLISH): IMPROVEMENTS IN OR RELATING TO POWDERS

TITLE (FRENCH): AMELIORATIONS APPORTEES A DES POUDRES

TITLE (GERMAN): VERBESSERUNGEN IN BEZUG AUF PULVER

INVENTOR(S): GANDERTON, David, Crooked Chimneys Cheriton Bishop,
Exeter EX6 6JL, GB; MORTON, David Alexander Vodden,
2nd Floor Flat Linsley House Beechen Cliff Road, Bath
BA2 4QR, GB; LUCAS, Paul, 5 Felderland Close
Felderland Lane, Worth Deal CT14 0PB, GB

PATENT APPLICANT(S): Vectura Limited, 12 St. James's Square, London SW1Y
4RB, GB

PATENT APPL. NUMBER: 3050110

AGENT: Jump, Timothy John Simon, et al, Venner Shipley & Co.
20 Little Britain, London EC1A 7DH, GB

AGENT NUMBER: 55592

LANGUAGE OF FILING: English

LANGUAGE OF PUBL.: English

LANGUAGE OF PROCEDURE: English

LANGUAGE OF TITLE: German; English; French

DOCUMENT TYPE: Patent

PATENT INFO TYPE: EPB1 Granted patent

PATENT INFORMATION:

	NUMBER	KIND	DATE
DESIGNATED STATES:	EP 1137399	B1	20030514
	WO 2000033811		20000615
	AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT		

APPLICATION INFO.:	SE		
	EP 1999-958404	A	19991209
	WO 1999-GB4156	A	19991209
PRIORITY INFO.:	GB 1998-27145	A	19981209
CITED PATENT LIT.:	WO 9623485	A	
	WO 9632096	A	
	WO 9703649	A	